

# RTV-2 P-FDA

Silicone Rubber, RTV-2

Silicones, Inc.

## Message:

P-FDA is designed for mold making where FDA approval for food contact is desired or required. It is approved for repeated food contact, such as making candy or ice sculptures, but is not approved for medicinal purposes or for use inside the human body. P-FDA is a platinum-catalyzed, addition reaction, flexible silicone with excellent tear resistance and tensile strength.

General Information			
Features	Food Contact Acceptable Good Flexibility Good Tear Strength High Tensile Strength		
Uses	Mold Making Molds/Dies/Tools		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Physical	Nominal Value	Unit	
Specific Gravity	1.12	g/cm <sup>3</sup>	
Shrinkage - Cured	< 0.15	%	
Service Temperature - Cured	-51 to 260	°C	
Coverage - Cured	0.900	cm <sup>3</sup> /g	
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components	Mix Ratio by Weight: 1.0		
Hardener	Mix Ratio by Volume: 11 Mix Ratio by Weight: 10		
Resin	Mix Ratio by Volume: 100		
Shelf Life	26	wk	
Thermoset Mix Viscosity	60000 to 90000	cP	
Uncured Properties	Nominal Value	Unit	Test Method
Color			
-- 1	Clear/Transparent		
-- 2	White		
Curing Time	16 to 24	hr	

Pot Life	90 to 150	min	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness			
Shore A <sup>3</sup>	33 to 41		
Shore A <sup>4</sup>	33 to 41		
Tensile Strength	5.52 to 6.21	MPa	ASTM D412
Tensile Elongation at Break	330 to 380	%	ASTM D412
Tear Strength	16.6 to 21.9	kN/m	ASTM D624

**NOTE**

- |    |           |
|----|-----------|
| 1. | Activator |
| 2. | Base      |
| 3. | 7 Days    |
| 4. | 1 Day     |

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